

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/583,840
Source: IFWP
Date Processed by STIC: 07/06/2006

ENTERED



IFWP

RAW SEQUENCE LISTING

DATE: 07/06/2006

PATENT APPLICATION: US/10/583,840

TIME: 14:07:24

Input Set : A:\CMT-0072 sequence listing.txt

Output Set: N:\CRF4\07062006\J583840.raw

```

1 <110> APPLICANT: RHEE, Young Ha
2     KIM, Young baek
3     CHUNG, Chungwook
4     YOON, Jooseog
5     LG CHEM, LTD.
7 <120> TITLE OF INVENTION: POLY(3-HYDROXYALKANOATE) BLOCK COPOLYMER HAVING SHAPE MEMORY
8     EFFECT
10 <130> FILE REFERENCE: CMT-0072
C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/583,840
C--> 12 <141> CURRENT FILING DATE: 2006-06-22
12 <150> PRIOR APPLICATION NUMBER: KR 10-2005-0059907
13 <151> PRIOR FILING DATE: 2005-07-04
15 <160> NUMBER OF SEQ ID NOS: 14
17 <170> SOFTWARE: KopatentIn 1.71 and text editor
19 <210> SEQ ID NO: 1
20 <211> LENGTH: 18
21 <212> TYPE: DNA
22 <213> ORGANISM: Artificial Sequence
24 <220> FEATURE:
25 <223> OTHER INFORMATION: Primer
28 <400> SEQUENCE: 1
29 ccgccstgsa tcaagtac                                     18
32 <210> SEQ ID NO: 2
33 <211> LENGTH: 20
34 <212> TYPE: DNA
35 <213> ORGANISM: Artificial Sequence
37 <220> FEATURE:
38 <223> OTHER INFORMATION: Primer
41 <400> SEQUENCE: 2
42 gytsgtgsyg tcyycgttcc                                   20
45 <210> SEQ ID NO: 3
46 <211> LENGTH: 24
47 <212> TYPE: DNA
48 <213> ORGANISM: Artificial Sequence
50 <220> FEATURE:
51 <223> OTHER INFORMATION: Primer
54 <400> SEQUENCE: 3
55 caccatgctg agttgcgctc tagc                               24
58 <210> SEQ ID NO: 4
59 <211> LENGTH: 27
60 <212> TYPE: DNA
61 <213> ORGANISM: Artificial Sequence
63 <220> FEATURE:

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```

64 <223> OTHER INFORMATION: Primer
67 <400> SEQUENCE: 4
68 tcadmsytty acrtarcgkc ctggygc 27
71 <210> SEQ ID NO: 5
72 <211> LENGTH: 20
73 <212> TYPE: DNA
74 <213> ORGANISM: Artificial Sequence
76 <220> FEATURE:
77 <223> OTHER INFORMATION: Primer
80 <400> SEQUENCE: 5
81 gatcgatacc aatctcaccg 20
84 <210> SEQ ID NO: 6
85 <211> LENGTH: 21
86 <212> TYPE: DNA
87 <213> ORGANISM: Artificial Sequence
89 <220> FEATURE:
90 <223> OTHER INFORMATION: Primer
93 <400> SEQUENCE: 6
94 caaagccagt ggttcgacgt a 21
97 <210> SEQ ID NO: 7
98 <211> LENGTH: 19
99 <212> TYPE: DNA
100 <213> ORGANISM: Artificial Sequence
102 <220> FEATURE:
103 <223> OTHER INFORMATION: Primer
106 <400> SEQUENCE: 7
107 ctgctgaaac tgttgagc 19
110 <210> SEQ ID NO: 8
111 <211> LENGTH: 47
112 <212> TYPE: DNA
113 <213> ORGANISM: Artificial Sequence
115 <220> FEATURE:
116 <223> OTHER INFORMATION: Primer
119 <400> SEQUENCE: 8
120 gggggtacca ataaggagat atacatatgg gtactgcgag caatgcg 47
123 <210> SEQ ID NO: 9
124 <211> LENGTH: 28
125 <212> TYPE: DNA
126 <213> ORGANISM: Artificial Sequence
128 <220> FEATURE:
129 <223> OTHER INFORMATION: Primer
132 <400> SEQUENCE: 9
133 cccactagtt cagcgctcga tggccagc 28
136 <210> SEQ ID NO: 10
137 <211> LENGTH: 28
138 <212> TYPE: DNA
139 <213> ORGANISM: Artificial Sequence
141 <220> FEATURE:
142 <223> OTHER INFORMATION: Primer

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145 <400> SEQUENCE: 10
146 gggcatatga cccagaagaa caacagcg                                28
149 <210> SEQ ID NO: 11
150 <211> LENGTH: 39
151 <212> TYPE: DNA
152 <213> ORGANISM: Artificial Sequence
154 <220> FEATURE:
155 <223> OTHER INFORMATION: Primer
158 <400> SEQUENCE: 11
159 cccactagtt cadmscttya crtaacgtcc tggcgcygc                    39
162 <210> SEQ ID NO: 12
163 <211> LENGTH: 756
164 <212> TYPE: DNA
165 <213> ORGANISM: Pseudomonas sp. HJ-2
167 <220> FEATURE:
168 <221> NAME/KEY: variation
169 <222> LOCATION: (482)
170 <223> OTHER INFORMATION: n=A, C, G or T
172 <400> SEQUENCE: 12
173 atgggtactg cgagcaatgc ggcacgtata gctctgggtca ccggtggtat gggcggtatc    60
175 ggtacggcga tcagccagcg cctgcatcgg gatggcttca ccgtgggtgg gggctgtaat    120
177 ccctactcca gccgcaaggc ttctctggatt gccacgcaac tcgagggcggg ctttcacttc    180
179 cactgcatcg actgcgacat caccgactgg gatagcacc gccaggcctt cgacatgggtg    240
181 cagcagactg tcggccccgat cgatgtattg gtcaacaatg ccggcatcac ccgcgacggc    300
183 actttccgca agatgtcccc ggaaaactgg aaggcggtga tcgataccaa tctcaccggc    360
185 ctgttcaaca caaccaagca ggtcatcgag ggcattgctg ccaagggctg gggacgcgctc    420
187 atcaacatct cctcaatcaa tggccagcga ggccagttcg ggcagaccaa ctactccgcg    480
W--> 189 gncaaggctg gcattcatgg cttcagcatg gccttggccc gcgagggtgag tggcaagggc    540
191 gtgaccgtca atacggtttc ccctggctac atcaagaccg acatgaccgc ggcgattcgc    600
193 ccggacatcc tcgaagacat gattactggc attcccgtgg gccgtctcgg ccagcccagag    660
195 gagatcgctc cgatcggtggc ctggctggcc tccgatcagt ctgcctatgc caccggcgcc    720
197 gacttctcgg tgaatggcgg catgaacatg cagtga                                756
200 <210> SEQ ID NO: 13
201 <211> LENGTH: 1179
202 <212> TYPE: DNA
203 <213> ORGANISM: Pseudomonas sp. HJ-2
205 <220> FEATURE:
206 <221> NAME/KEY: variation
207 <222> LOCATION: (207)
208 <223> OTHER INFORMATION: n=A, C, G or T
210 <220> FEATURE:
211 <221> NAME/KEY: variation
212 <222> LOCATION: (209)
213 <223> OTHER INFORMATION: n=A, C, G or T
216 <400> SEQUENCE: 13
217 atgatcgaag tcgttatcgt cgccgccact cgcaccgcca tcggcgcttt ccagggggagc    60
219 ctggccggca ctcccgccgt tgaactgggc gccacggtga tccgcgcgct gctcgaacag    120
221 accgctctgg atagcagtca ggtggatgaa gtgatactcg gccacgtact caccgcccgt    180
W--> 223 gctggcagaa taccgctcgc caggcancng gtcacgcccg gcctgccaca cgccgtaccg    240

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```

225 gcgatgaccc tgaacaaggt ctgtggctcc ggctgaaag cctgcacct gggcgcccag 300
227 gccatccgct gtggcgatgc cgaggtggtg attgccggtg gcatggagaa catgagcctg 360
229 tcgtcctatg tctgcccac ggcccgacc ggctgcgca tgggcccacgc gcagctggtc 420
231 gacagcatga tcgtcgacgg cctgtgggac gccttcaacg actaccacat ggggatcact 480
233 gccgagaacc tggtagacaa gtacggcatc agccgcgaag cccaggacga attcgccgcc 540
235 gcctcgacgc agaaagccgt ggccgccatc gagaccggtc gcttccgcga cgagatcgct 600
237 ccggtgagca ttccgcagcg caagggcgag gcgctgagct tcgacaccga cgaacagcca 660
239 cgcgccggca ccaccgccga gtcgctgggc aagctgaaac cggccttcaa gaacgacggc 720
241 agcgttactg ccggcaacgc ttccagtctc aacgacggcg ccgcccgggt actgctgatg 780
243 agtgcggcaa aggccgcagc gcttggtctg ccagtgtgtg cgaagatcgc cgcctacgcc 840
245 aatgccggcg tcgaccggc gatcatgggt atcggaccgg tgtcggccac ccgagttgc 900
247 ctggagaagg cgggctggag tctggcagag ctggatctga tcgaggccaa tgaagccttc 960
249 gcggcccagg ccttggccgt gggtcaggag ctgggctggg atgctggcag ggtaacgtc 1020
251 aacggcggcg ccatgcacct cggccacccc attggcgctt ccggctgccg cgtactggtc 1080
253 agcctgctgc atgaaatgct caggcgcgac gcgaaaaaag gcctcgctac cctgtgtatc 1140
255 ggtggcggcc agggcggtggc gctggccatc gagcgctga 1179
258 <210> SEQ ID NO: 14
259 <211> LENGTH: 1701
260 <212> TYPE: DNA
261 <213> ORGANISM: Pseudomonas sp. HJ-2
263 <400> SEQUENCE: 14
264 atggacaacg gacacacctt tgctcactac tggtcgggtc aggcgccctt catcgccagc 60
266 ttctgtcctg agcaactgcg cttatacgtg gcgcaaaata cttggttcag cgggcacgac 120
268 caaagccagt ggttcgacgt acctgtcgag gcgttgagc aactgcaggc ggactaccaa 180
270 caacagtggg ccgaacttgg ccagcaattg ctgagctgcc agccgttcgc attcagcgat 240
272 cgtcgcttcg ccagtggcaa ctggagcgaa ccgctgttcg gttccctggc tgccttctac 300
274 ctgctgaatt ccggtttcct gctgaaactg ttggagcttc tccccatcga tgagcagaag 360
276 ccccgccagc gcttgcgta cttgatcgag caagcgattg ccgcaagcgc cccaagtaac 420
278 tttctgctga gcaaccctga tgccctgcaa cgcctagtgg aaaccaggcg cgcagccta 480
280 ctaagtggcg tggtgcatct tgccagtgac ctgcaggcag gcaagtgcg ccaatgtgac 540
282 ttgggcgatt tcgaagtcgg cgtgaatctg gccaccaccc ctggtgccgt ggtactggaa 600
284 acccctctgt tccagctgat ccagtattcg ccgctcagcg aaacgcaata ccagcggccg 660
286 atattcatgg tcccgccctg gatcaacaag tactacatcc ttgacctcgg gcccgaaaac 720
288 tctctaatac gtcactact ggagcgaggc catcaagttt ttctgatgtc ctggcgcaac 780
290 ttactcagg aacaggccga catcacctgg gagcagatca tccaggacgg agtgatcagc 840
292 gccctgcgca ctaccgggc catcagtggt gagcgccacc tgaactgttt gggtttctgc 900
294 atcggcggca ccatgctgag ttgcgctcta gcggtgctgg cagcgctgg cgaccaggac 960
296 attgccagcc tgagtctatt cgccactttt cttgactacc ttgataccgg gccgatcagc 1020
298 gtcttcgtcg atgagcaact ggtggcctac cgtgagcgca ccatcggtgg ccatggtggc 1080
300 aaatgtggcc tgttccgcgg tgaggacatg ggcaatacct tctccctgct gcggcccaac 1140
302 gagctgtggt ggaactacaa cgtagacaaa tatctcaagg ggcagaagcc gctggctctg 1200
304 ggtctactgt tctggaacaa cgacagcacc aatctgccgg gggccctgta ttgctggtat 1260
306 ctgcgccaca cctacctgca gaacgacctc aaatcggggg agttggatct gtgcggcgctc 1320
308 aagttggatc tgcgggcat agacgcacca gcctacatct tgggaacca tgacgaccac 1380
310 atcgtgcctt ggcgaagcgc ctatgccagc acggaattgc tgggaggtcc aaagcgcttt 1440
312 gtcctcggcg cctcgccca catcgccgg tgatcaacc cgccagatag gaacaagcgc 1500
314 cactactggg tcaatgaaca catagcgcg gtagctgacg actggctgca gggagctcag 1560
316 cagcattccg gcagttggtg gggtgactgg ttcgcctggt tgaccggcta tgccggccca 1620
318 cgcaagcctg ccatcactat gctgggcagt gccgagtacc ccccgcttga acatgcgcca 1680

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320 ggacgttatg tgaagctatg a

1701

RAW SEQUENCE LISTING ERROR SUMMARY

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:12; N Pos. 482

Seq#:13; N Pos. 207,209

VERIFICATION SUMMARY

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Input Set : A:\CMT-0072 sequence listing.txt

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L:12 M:270 C: Current Application Number differs, Replaced Current Application No

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:189 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:480

L:223 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:180